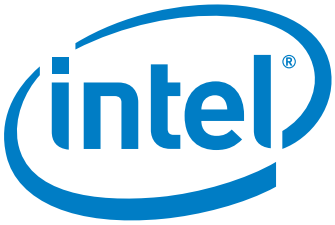
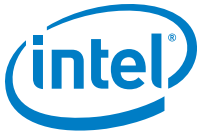


Intel® Omni-Path Fabric Managed Switches

Version 10.2.0.0.154 Release Notes

November 2016

Order No.: J38363-2.0



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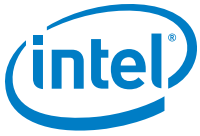


1.0 Overview of the Release

1.1 Introduction

These Release Notes provide a brief overview of the changes introduced into the Intel® Omni-Path Fabric Managed Switches. References to more detailed information are provided where necessary. The information contained in this document is intended for supplemental use only; it should be used in conjunction with the documentation provided for each component.

These Release Notes list the new features, system issues closed since the previous release, as well as any known issues.

1.2 Audience

The information provided in this document is intended for installers, software support engineers, hardware engineers, and service personnel.

1.3 If You Need Help

If you need assistance while working with the Intel® Omni-Path Fabric Managed Switches, contact your Intel representative.

1.4 Supported in this Release

The following items are supported for this release:

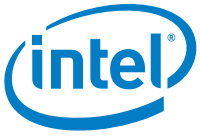
- 24-port Intel® Omni-Path Edge Switch 100
- 48-port Intel® Omni-Path Edge Switch 100
- 6-slot Intel® Omni-Path Director Class Switch 100 Series
- 24-slot Intel® Omni-Path Director Class Switch 100 Series

1.5 Product Constraints

- The embedded version of the Intel® Fabric Manager supports up to a maximum of 100 nodes within a fabric. This is due to the limited memory and processing resources available in the embedded environment.
- For Director class switches that use the embedded Fabric Manger, the maximum supported configuration is 2 leaf and 2 spine modules.

1.6 Installation Requirements

This release has no special or release-specific installation requirements.



1.6.1 Changes to Firmware Components

The following firmware is supported in this release:

- Internally-managed edge:
  `STL1.q7.10.2.0.0.154.spkg`

and has been tested with the following externally-managed switch firmware:

- Externally-managed edge:
  `Intel_PRREdge_V1_firmware.10.2.0.0.152.emfw`

1.7 Miscellaneous

- Additional internal tracing has been added to the firmware to improve link error-related diagnostic capabilities.
- Intel recommends that all fabrics contain at least one managed switch.

1.8 Documentation

Table 1-1 lists the end user documentation for the current release.

Documents are available at the following URLs:

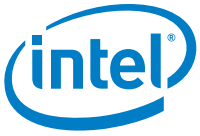
- Intel® Omni-Path Switches Installation, User, and Reference Guides
  www.intel.com/omnipath/SwitchPublications
- Intel® Omni-Path Fabric Software Installation, User, and Reference Guides
  www.intel.com/omnipath/FabricSoftwarePublications
- Drivers and Software (including Release Notes)
  www.intel.com/omnipath/downloads

Table 1-1. Related Documentation for this Release (Sheet 1 of 2)

Document Title
Hardware Documents
Intel® Omni-Path Fabric Switches Hardware Installation Guide
Intel® Omni-Path Fabric Switches GUI User Guide
Intel® Omni-Path Fabric Switches Command Line Interface Reference Guide
Intel® Omni-Path Edge Switch Platform Configuration Reference Guide
Intel® Omni-Path Fabric Managed Switches Release Notes
Intel® Omni-Path Fabric Externally-Managed Switches Release Notes
Intel® Omni-Path Host Fabric Interface Installation Guide
Fabric Software Documents
Intel® Omni-Path Fabric Software Installation Guide
Intel® Omni-Path Fabric Suite Fabric Manager User Guide
Intel® Omni-Path Fabric Suite FastFabric User Guide
Intel® Omni-Path Fabric Host Software User Guide
Intel® Omni-Path Fabric Suite Fabric Manager GUI Online Help
Intel® Omni-Path Fabric Suite Fabric Manager GUI User Guide
Intel® Omni-Path Fabric Suite FastFabric Command Line Interface Reference Guide

Table 1-1. Related Documentation for this Release (Sheet 2 of 2)

Document Title
Intel® Performance Scaled Messaging 2 (PSM2) Programmer's Guide
Intel® Omni-Path Fabric Performance Tuning User Guide
Intel® Omni-Path Host Fabric Interface Platform Configuration Reference Guide
Intel® Omni-Path Fabric Software Release Notes
Intel® Omni-Path Fabric Manager GUI Release Notes
Intel® Omni-Path Storage Router Design Guide
Intel® Omni-Path Fabric Staging Guide
Building Lustre Servers with Intel® Omni-Path Architecture Application Note*



2.0 System Issues

This section lists the resolved and known issues for the Intel® Omni-Path Fabric Managed Switches.

2.1 Resolved Issues

Table 2-1 lists the resolved issues for this release.

Table 2-1. Resolved Issues

ID	Description	Resolved in Release
130404	Edge switch does not provide a means to update the SSL/TLS certificate.	10.2
133572	The ESM has a memory leak.	10.2
133933	Cannot enable individual port beacons	10.2
134700	Incorporate v0.47 of DC firmware into the Intel® Omni-Path Switch firmware build.	10.2
132538	When running **ismPortStats** -clear -all some counters like XMIT Wait and Rcv BECN do not clear.	10.2
133481	Director switches: changing the boot image on one management module (MM) also displays the change on the the second MM.	10.2
133990	The SSH key maximum length has been increased to 1024 (or 1023 including the null terminator).	10.2
134175	Performance manager agent (PMA) port counters do not clear from the opapmaquery command.	10.2
134176	The PMA appears to be adding together transmit and receive replay counts when reporting local link integrity errors.	10.2
134662	The Baud rate slows from 48 to 100 baud on the Director when running a capture using SSH	10.2
134814	Edge Switch: when power cycling the managed Edge switch does not boot.	10.2
134897	24-slot Director: **ipftps_session** tasks 1 & 2 are stopped.	10.2
134939	ipssh_::ffff task page faults.	10.2
133526	Unable to set an IPv6 address on OOB interface from the GUI.	10.2

2.2 Open Issues

Table 2-2 lists the known open issues for this release by component, including the description and workaround.

Table 2-2. Open Issues

ID/ Status	Product/ Component	Description	Workaround
132341	Switch Hardware/ Director Chassis	Spurious switch fan module I2C path error messages may be reported in the Command Line Interface (CLI) and diagnostic logs. These errors are caused by intermittent noise on the I2C signals going to fan modules.	Install firmware version 10.0.1 or later. Ignore spurious fan module I2C path error messages.
132786	Switch Software/ Chassis Management	Downgrading from the production validated (PV) release to release 10.0.0.0.625 (or earlier) fails.	Do not downgrade the firmware from the PV release.
134796	Switch Software/ Chassis Management	When run on a Director Class switch, the following CLI command closes the session: `list> CaptureInfo> capture`	From the host, use the following command: `ssh admin@ipaddress “capture”`
134970	Switch Software/ Chassis Management	Sub-windows sometimes do not open properly in the Chassis Viewer when using Internet Explorer.	Use Mozilla Firefox or Google Chrome to run Chassis Viewer.

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